Author Index

Aarnes, M.J. 51 Andre, M. 171 Angelino, E. 9 Argyrakos, G. 315 Arnesen, K. 51

Bailey, J. 263
Ballaman, R. 103
Bardeschi, A. 9
Belardini, P. 285
Bertoli, C. 285
Borrego, C.S. 1
Bradley, M. 361, 371
Brilon, W. 71
Bugajny, C. 81
Bukowy, E. 161
Bunch, D.S. 371

Carbajo, J.C. 383 Chiquetto, S.L. 21 Clench-Aas, J. 51 Colucci, A. 9 Combet, E. 147 Conceico, M.S. 1 Courtois, Y. 61

Dechaux, J.-C. 81
Degobert, P. 61
Del Giacomo, N. 285
de Larderel, J.A. 325
de Sequeira Santos, M.P. 21
des Courtils, N. 295
Diebold, F. 39
Dominguez, R. 93
Durand, D. 295

Eggleston, S. 263

Faiz, A. 325 Festy, B. 61

Gnagnetti, M. 9 Golob, T.F. 371 Gonzalez, R.G. 93 Graham, M.A. 211 Gualdi, R. 9 Guillermo, R. 81 Guitton, J.P. 197 Gunn, H. 361

Hassel, D. 189, 171 Herz, O. 335, 343 Hickman, A.J. 211, 171 Höffer, R. 71 Hölscher, N. 71 Höglund, P.G. 139

Hubert, G. 39 Iorio, B. 285

Jarosz, J. 147 Joumard, R. 237, 171

Kitamura, R. 371 Krawack, S. 305 Kyriakis, N. 273

Larssen, S. 51 Leisen, P. 125 Limasset, J.-C. 39

Mabilon, G. 295 Martin-Bouyer, M. 147 Massin, J.-M. 343 Meda, M. 9 Metz, N. 225 Michaelis, L. 117 Miranda, A.I.S. 1 Molinier, B. 61

Nakos, C. 273 Niemann, H.-J. 71

Paramo, V. 93 Pasquereau, M. 61 Pattas, K. 273 Paturel, L. 147 Perez, G. 93 Pethainos, D. 251 Prigent, M. 295 Pruvost, C. 197

Romberg, E. 71

Saber, A. 147 Saje, A. 353 Samaras, Z. 251 Sanchez, C. 93 Stathopoulos, A. 315 Stritt, M.-A. 31

Tamponi, M. 9 Tebaldi, G. 9 Tønnesen, D. 51 Törnevik, H. 139

Van Ruymbeke, C. 197 Vidon, R. 197

Weber, F.-J. 189

Zafiris, D. 251 Zierock, K.-H. 251 L

Subject Index

- Actual uses, driving cycle, test cycle, pollutant emissions, fuel consumption, engine operating conditions, private cars, 171
- Air pollution from traffic, traffic flow, immission model, emmission, immssion, emission model, immission measurement, 139
- Air pollution, air quality, automobile traffic, mathematic simulation, 1
- Air pollution, buildings, monetary valuation, external cost, 31
- Air pollution, motor vehicle emissions, urban traffic, planning models, 9
- Air pollution, motor vehicles, developing countries, 325
- Air pollution, motor vehicles, regulations, economic incentives, 383
- Air pollution, PAH, Shopl'skii spectrofluorometry, unit emission, passenger car, gasoline-engined, diesel-engined, cold start, 147
- Air pollution, traffic emissions, forecast model, emission factors, emission inventories, European Communities, 251
- Air quality, automobile traffic, mathematic simulation, air pollution, 1
- Air quality, carbon monoxide, mobile sources, Mexico City, 93
- Aircraft, polluting emissions, ozone layer, global warning, airport congestion, 335
- Airport congestion, aircraft, polluting emissions, ozone layer, global warning, 335
- Aldehyde, vehicle pollution, urban buses, occupational exposure, ventilation, carbon monoxide, nitrogen oxides, lead, benzopyrene, 39
- Atmosphere, photochemical oxidants, ozone, petrols, Mexico City, 81
- Atmospheric pollutants, transport, emission, scenarios, forecast, France, 237
- Atmospheric pollution, sea transport, bunker fuels, North Sea, English Channel, international standards, 343

- Automobile traffic, air quality, mathematic simulation, air pollution, 1
- Automobiles, transport, forecasting, emissions, fuel use, 361
- Benzopyrene, vehicle pollution, urban buses, occupational exposure, ventilation, carbon monoxide, nitrogen oxides, lead, aldehyde, 39
- Buildings, monetary valuation, external cost, air pollution, 31
- Bunker fuels, sea transport, atmospheric pollution, North Sea, English Channel, international standards, 343
- California, electric vehicles, clean-fuel vehicles, market research, stated preference survey, purchase decisions, 371
- Car exhaust, individual exposure, residential exposure, 51
- Car park, emission, CO-HC-NO_x, realistic driving cycles, methods of data capture, speed, gear changes, engine test bench, chassis dynamometer, 161
- Carbon dioxide, global warming, impact, transport, nitrogen oxides, 117
- Carbon monoxide, air quality, mobile sources, Mexico City, 93
- Carbon monoxide, vehicle pollution, urban buses, occupational exposure, ventilation, nitrogen oxides, lead, benzopyrene, aldehyde, 39
- Catalyst, pollution, diesel, 295
- Chassis dynamometer, emission, CO-HC-NO_x, realistic driving cycles, methods of data capture, speed, gear changes, engine test bench, car park, 161
- Clean-fuel vehicles, electric vehicles, market research, stated preference survey, purchase decisions, California, 371
- CO, emission factor, passenger car, HC, NO₃, particles, 225
- CO-HC-NO₃, emission, realistic driving

cycles, methods of data capture, speed, gear changes, engine test bench, chassis dynamometer, car park, 161

Cold start, PAH, Shopl'skii spectrofluorometry, unit emission, air pollution, passenger car, gasoline-engined, dieselengined, 147

Combustion and pollutant emissions, light duty diesel engines, mixing processes, operating conditions, 285

Control standards, exhaust emissions, heavy duty diesel engines, performance, operating conditions, engine type, 211

Controlled-catalyst vehicle emissions, emission factors, diesel-vehicle emissions, mean fuel consumption, 189

Developing countries, air pollution, motor vehicles, 325

Diesel exhausts, mutagenicity, polycyclic aromatic hydrocarbons, 61

Diesel, pollution, catalyst, 295

Diesel-engined, PAH, Shopl'skii spectrofluorometry, unit emission, air pollution, passenger car, gasoline-engined, cold start, 147

Diesel-vehicle emissions, emission factors, controlled-catalyst vehicle emissions, mean fuel consumption, 189

Driving cycle, test cycle, pollutant emissions, fuel consumption, actual uses, engine operating conditions, private cars, 171

Driving pattern, emissions, traffic, 273

Driving patterns, emissions, urban traffic, public transport, traffic management, 305

Economic incentives, motor vehicles, air pollution, regulations, 383

Effects, ozone, health, measures, reduction strategy, 103

Electric vehicles, clean-fuel vehicles, market research, stated preference survey, purchase decisions, California, 371

Emission balence, vehicle emissions, vehicle caused air pollution, emission factor, nitrogen oxides, heavy duty vehicle emissions, 125 Emission factor, passenger car, CO, HC, NO., particles, 225

Emission factor, vehicle emissions, vehicle caused air pollution, emission balence, nitrogen oxides, heavy duty vehicle emissions, 125

Emission factors, diesel-vehicle emissions, controlled-catalyst vehicle emissions, mean fuel consumption, 189

Emission factors, traffic emissions, forecast model, air pollution, emission inventories, European Communities, 251

Emission inventories, traffic emissions, forecast model, air pollution, emission factors, European Communities, 251

Emission model, traffic flow, immission model, emmission, immssion, air pollution from traffic, immission measurement, 139

Emission, CO-HC-NO_x, realistic driving cycles, methods of data capture, speed, gear changes, engine test bench, chassis dynamometer, car park, 161

Emission, traffic flow, immission model, immssion, air pollution from traffic, emission model, immission measurement, 139

Emission, transport, atmospheric pollutants, scenarios, forecast, France, 237

Emissions, driving patterns, urban traffic, public transport, traffic management, 305

Emissions, method, measurement, sampling, passenger car, on-board CVS, Mexico, 197

Emissions, pollution, environment, 21

Emissions, traffic, driving pattern, 273 Emissions, transport, automobiles, fore-

casting, fuel use, 361
Engine operating conditions, driving cycle

Engine operating conditions, driving cycle, test cycle, pollutant emissions, fuel consumption, actual uses, private cars, 171

Engine test bench, emission, CO-HC-NO_x, realistic driving cycles, methods of data capture, speed, gear changes, chassis dynamometer, car park, 161

Engine type, exhaust emissions, heavy duty diesel engines, performance, operating conditions, control standards, 211 English Channel, sea transport, atmospheric pollution, bunker fuels, North Sea, international standards, 343

Environment, emissions, pollution, 21

Environment, vehicle emissions, fuel efficiency, legislation, industrial strategy, 353

Environmental control, traffic pollution, traffic strategies, 315

European Communities, traffic emissions, forecast model, air pollution, emission factors, emission inventories, 251

Exhaust emissions, heavy duty diesel engines, performance, operating conditions, engine type, control standards, 211

Exhaust, vehicle, speciated hydrocarbon, inventory, 263

External cost, buildings, monetary valuation, air pollution, 31

Forecast model, traffic emissions, air pollution, emission factors, emission inventories, European Communities, 251

Forecast, transport, emission, atmospheric pollutants, scenarios, France, 237

Forecasting, transport, automobiles, emissions, fuel use, 361

France, transport, emission, atmospheric pollutants, scenarios, forecast, 237

Fuel consumption, driving cycle, test cycle, pollutant emissions, actual uses, engine operating conditions, private cars, 171

Fuel efficiency, vehicle emissions, legislation, environment, industrial strategy, 353

Fuel use, transport, automobiles, forecasting, emissions, 361

Gasoline-engined, PAH, Shopl'skii spectrofluorometry, unit emission, air pollution, passenger car, diesel-engined, cold start, 147

Gear changes, emission, CO-HC-NO₃, realistic driving cycles, methods of data capture, speed, engine test bench, chassis dynamometer, car park, 161

Global warming, impact, transport, carbon dioxide, nitrogen oxides, 117

Global warning, aircraft, polluting emissions, ozone layer, airport congestion, 335

HC, emission factor, passenger car, CO, NO, particles, 225

Health, ozone, effects, measures, reduction strategy, 103

Heavy duty diesel engines, exhaust emissions, performance, operating conditions, engine type, control standards, 211

Heavy duty vehicle emissions, vehicle emissions, vehicle caused air pollution, emission factor, emission balence, nitrogen oxides, 125

Immission measurement, traffic flow, immission model, emmission, immssion, air pollution from traffic, emission model, 139

Immission model, traffic flow, emmission, immssion, air pollution from traffic, emission model, immission measurement, 139

Immssion, traffic flow, immission model, emmission, air pollution from traffic, emission model, immission measurement, 139

Impact, global warming, transport, carbon dioxide, nitrogen oxides, 117

Individual exposure, car exhaust, residential exposure, 51

Industrial strategy, vehicle emissions, fuel efficiency, legislation, environment, 353

International standards, sea transport, atmospheric pollution, bunker fuels, North Sea, English Channel, 343

Inventory, vehicle, exhaust, speciated hydrocarbon, 263

Lead, vehicle pollution, urban buses, occupational exposure, ventilation, carbon monoxide, nitrogen oxides, benzopyrene, aldehyde, 39

Legislation, vehicle emissions, fuel efficiency, environment, industrial strategy, 353 Light duty diesel engines, combustion and pollutant emissions, mixing processes, operating conditions, 285

Market research, electric vehicles, cleanfuel vehicles, stated preference survey, purchase decisions, California, 371

Mathematic simulation, air quality, automobile traffic, air pollution, 1

Mean fuel consumption, emission factors, diesel-vehicle emissions, controlledcatalyst vehicle emissions, 189

Measurement, method, emissions, sampling, passenger car, on-board CVS, Mexico, 197

Measures, ozone, effects, health, reduction strategy, 103

Method, measurement, emissions, sampling, passenger car, on-board CVS, Mexico, 197

Methods of data capture, emission, CO-HC-NO_x, realistic driving cycles, speed, gear changes, engine test bench, chassis dynamometer, car park, 161

Mexico City, carbon monoxide, air quality, mobile sources, 93

Mexico City, photochemical oxidants, ozone, petrols, atmosphere, 81

Mexico, method, measurement, emissions, sampling, passenger car, on-board CVS, 197

Micro-scale dispersion, wind tunnel, transmission, parameter, traffic exhausts, 71

Mixing processes, combustion and pollutant emissions, light duty diesel engines, operating conditions, 285

Mobile sources, carbon monoxide, air quality, Mexico City, 93

Monetary valuation, buildings, external cost, air pollution, 31

Motor vehicle emissions, air pollution, urban traffic, planning models, 9

Motor vehicles, air pollution, developing countries, 325

Motor vehicles, air pollution, regulations, economic incentives, 383

Mutagenicity, diesel exhausts, polycyclic aromatic hydrocarbons, 61

Nitrogen oxides, global warming, impact, transport, carbon dioxide, 117

Nitrogen oxides, vehicle emissions, vehicle caused air pollution, emission factor, emission balence, heavy duty vehicle emissions, 125

Nitrogen oxides, vehicle pollution, urban buses, occupational exposure, ventilation, carbon monoxide, lead, benzopyrene, aldehyde, 39

NO₃, emission factor, passenger car, CO, HC, particles, 225

North Sea, sea transport, atmospheric pollution, bunker fuels, English Channel, international standards, 343

Occupational exposure, vehicle pollution, urban buses, ventilation, carbon monoxide, nitrogen oxides, lead, benzopyrene, aldehyde, 39

On-board CVS, method, measurement, emissions, sampling, passenger car, Mexico, 197

Operating conditions, combustion and pollutant emissions, light duty diesel engines, mixing processes, 285

Operating conditions, exhaust emissions, heavy duty diesel engines, performance, engine type, control standards, 211

Ozone layer, aircraft, polluting emissions, global warning, airport congestion, 335

Ozone, effects, health, measures, reduction strategy, 103

Ozone, photochemical oxidants, petrols, atmosphere, Mexico City, 81

PAH, Shopl'skii spectrofluorometry, unit emission, air pollution, passenger car, gasoline-engined, diesel-engined, cold start, 147

Parameter, wind tunnel, micro-scale dispersion, transmission, traffic exhausts, 71

Particles, emission factor, passenger car, CO, HC, NO₃, 225

Passenger car, emission factor, CO, HC, NO, particles, 225

Passenger car, method, measurement, emissions, sampling, on-board CVS, Mexico, 197 Passenger car, PAH, Shopl'skii spectrofluorometry, unit emission, air pollution, gasoline-engined, diesel-engined, cold start, 147

Performance, exhaust emissions, heavy duty diesel engines, operating conditions, engine type, control standards, 211

Petrols, photochemical oxidants, ozone, atmosphere, Mexico City, 81

Photochemical oxidants, ozone, petrols, atmosphere, Mexico City, 81

Planning models, air pollution, motor vehicle emissions, urban traffic, 9

Pollutant emissions, driving cycle, test cycle, fuel consumption, actual uses, engine operating conditions, private cars, 171

Polluting emissions, aircraft, ozone layer, global warning, airport congestion, 335

Pollution, catalyst, diesel, 295

Pollution, emissions, environment, 21

Polycyclic aromatic hydrocarbons, diesel exhausts, mutagenicity, 61

Private cars, driving cycle, test cycle, pollutant emissions, fuel consumption, actual uses, engine operating conditions, 171

Public transport, emissions, driving patterns, urban traffic, traffic management, 305

Purchase decisions, electric vehicles, cleanfuel vehicles, market research, stated preference survey, California, 371

Realistic driving cycles, emission, CO-HC-NO_x, methods of data capture, speed, gear changes, engine test bench, chassis dynamometer, car park, 161

Reduction strategy, ozone, effects, health, measures, 103

Regulations, motor vehicles, air pollution, economic incentives, 383

Residential exposure, car exhaust, individual exposure, 51

Sampling, method, measurement, emissions, passenger car, on-board CVS, Mexico, 197

Scenarios, transport, emission, atmospheric pollutants, forecast, France, 237

Sea transport, atmospheric pollution, bunker fuels, North Sea, English Channel, international standards, 343

Shopl'skii spectrofluorometry, PAH, unit emission, air pollution, passenger car, gasoline-engined, diesel-engined, cold start, 147

Speciated hydrocarbon, vehicle, exhaust, inventory, 263

Speed, emission, CO-HC-NO₃, realistic driving cycles, methods of data capture, gear changes, engine test bench, chassis dynamometer, car park, 161

Stated preference survey, electric vehicles, clean-fuel vehicles, market research, purchase decisions, California, 371

Test cycle, driving cycle, pollutant emissions, fuel consumption, actual uses, engine operating conditions, private cars, 171

Traffic emissions, forecast model, air pollution, emission factors, emission inventories, European Communities, 251

Traffic exhausts, wind tunnel, micro-scale dispersion, transmission, parameter, 71

Traffic flow, immission model, emmission, immssion, air pollution from traffic, emission model, immission measurement. 139

Traffic management, emissions, driving patterns, urban traffic, public transport, 305

Traffic pollution, environmental control, traffic strategies, 315

Traffic strategies, traffic pollution, environmental control, 315

Traffic, emissions, driving pattern, 273

Transmission, wind tunnel, micro-scale dispersion, parameter, traffic exhausts, 71

Transport, automobiles, forecasting, emissions, fuel use, 361

Transport, emission, atmospheric pollutants, scenarios, forecast, France, 237

Transport, global warming, impact, carbon dioxide, nitrogen oxides, 117

Unit emission, PAH, Shopl'skii spectrofluorometry, air pollution, passenger car, gasoline-engined, diesel-engined, cold start, 147

Urban buses, vehicle pollution, occupational exposure, ventilation, carbon monoxide, nitrogen oxides, lead, benzopyrene, aldehyde, 39

Urban traffic, air pollution, motor vehicle emissions, planning models, 9

Urban traffic, emissions, driving patterns, public transport, traffic management, 305

Vehicle caused air pollution, vehicle emissions, emission factor, emission balence, nitrogen oxides, heavy duty vehicle emissions, 125

Vehicle emissions, fuel efficiency, legisla-

tion, environment, industrial strategy, 353

Vehicle emissions, vehicle caused air pollution, emission factor, emission balence, nitrogen oxides, heavy duty vehicle emissions, 125

Vehicle pollution, urban buses, occupational exposure, ventilation, carbon monoxide, nitrogen oxides, lead, benzopyrene, aldehyde, 39 Vehicle, exhaust, speciated hydrocarbon, inventory, 263

Ventilation, vehicle pollution, urban buses, occupational exposure, carbon monoxide, nitrogen oxides, lead, benzopyrene, aldehyde, 39

Wind tunnel, micro-scale dispersion, transmission, parameter, traffic exhausts, 71

